BOOK

| adth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| | | Amt: 7786875-00 | |
| | | IT - 77869-00 | |
| | | Cess - 77869-00 | |
| | | CBT - 7787-00 | |
| | | LR - 20148-00 | |
| | | CGST - 77869-00 | |
| | | SGST - 77869-00 | |
| | | Addl 3394 11-00 | |
| | | Chqs: 74,47,464-00 | |

M. A. R. 57 (Rule 116)
Measurement Book

Estimate cost: 50.00 lakhs

No. B 426621

Serial No. 1st & Final

Name of Work Providing U.G.D lines in Ward No. 06. From To

Name of Contractor of nature of Agency E.E. KRIDL #280, 59th C/R 17th C M/R 3rd y. Block. R.N.R B.lore-10.

Date of commencement of work Job No: 006-17:000048

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | AS. NO. AS/JC(YNK)07/18-19 Dt. 29.09.2018 | | | | | | |
| | T.S. NO. TS/CE(YNK)54/18-19 Dt. 03.10.2018 | | | | | | |
| | Work order No. BBMP/EE/BTP/W/188/2018-19 Dt. 14.12.2018 | | | | | | |
| | 1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average depth upto 0.5m. excavated surface levelled and sides neatly dressed. the disposed earth to be levelled neatly after breaking of clods complete as per specifications. | | | | | | |
| | Pre measurement recorded wide P.NO. 426685/1 | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Same m B. | | | | | 582.48 | |
| | | | limit qty | | | 581.98 | 50586.00 |
| | | | | | | @Rs: 86.92/cum | |
| 2. | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5 M, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per Specifications. | | | | | | |
| | Pre measurement recorded vide p.no. 426686 | | | | | | |
| | Same m.B | | | | | qty 667.28 | |
| | | | | | | limit qty 659.48 | 57322.00 |
| | | | | | | @Rs: 86.92/cum | |
| 3. | Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | concrete, wood wo necessary sorting t meterial and stac lead of 1000 metre masonry. B. Rubble |
| | Premeasureme |
| | @_Same M.B |
| 4. | Dismantling of co using Pneumatic too and stock pilling |

K

| epth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | 582.48 | |
| | 581.98 | 50586.00 |
| Rs: | 86.92/cum | |
| in | ordinary soil involving | |
| and | an average lift | |
| sides | neatly dressed. the | |
| | breaking of clods complete | |
| | | |
| | 426686 | |
| ty | 667.28 | |
| qty | 659.48 | 57322.00 |
| @Rs: | 86.92/cum | |
| | culverts, bridges retaining | |
| of | masonry. Cement | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426622

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | concrete. wood work, steel work including T&P and scaffolding wherever necessary sorting the dismantled material. disposal of unserviceable meterial and stacking the Sesviceable material with all lifts and lead of 1000 metres complete as per specification iii) Dismantling Stone masonry. B. Rubble Stone masonry in. Cement mortar. Premeasurement recorded vide p.No. 426686/1 @_Same M.B | | | | qty 19.8 @Rs: 258.64/cum | 5121.00 | |
| 4. | Dismantling of cement concrete pavement by mechanical means using Preumatic tools. breaking to pieces not exceeding 0.02 cum in colume and stock pilling at designated locations and disposal of | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | dismantled materials upto a lead of 1000 meters stacking Serviceable and unsesviceable and unsesviceable materials seperatly Complete as per Specifications. | | | | | | |
| | Pre measurement recorded vide p.No. 426687 | | | | | | |
| | @ Same M.B. | | | | qty | 156.75 | |
| | | | | | limit qty | 136.16 | 112721.00 |
| | | | | | @ Rs: | 827.86/cum | |
| 5. | Providing and laying in position to required level or slopem 300 mm internal diameter salt glazed stoneware pipes grade A and Jointing with stiff Mixture of cement mortar in proportion of 1:1, tsting of Pipes and joints, including cost of materials labour charges complete as per Specifications. | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| 6. | Providing and layin internal diameter Sa with stiff mixture Pipes and joints inc as per Specifications. |
| 7. | Constructing brick dia at bottom 1.68m |

BOOK

| ns | | Contents | Reference to last Measurement |
|---|---|---|---|
| eadth 5 | Depth 6 | 7 | 8 |
| of | 1000 | meters stacking | |
| serviceable materials seperatly | | | |
| | | | |
| NO. | 426687 | | |
| ty | 156.75 | | |
| qty | 136.16 | | 112721.00 |
| @ Rs: | 827.86/cum | | |
| n to | required level or slopem | | |
| lazed | stoneware pipes grade A | | |
| f cement | mortar in proportion | | |
| , | including cost of materials | | |
| | Specifications. | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426623

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1x7 | 30.00 | - | - | 210.00 | 138902.00 |
| | | | | | @ Rs: | 661.44/RMT | |
| | 6. Providing and laying in position to required level or slopem 250mm internal diameter Salt glazed stoneware pipes grade. A and jointing with stiff mixture of cement mortar in proportion of 1:1 tsting of Pipes and joints including cost of materials, labour charges complete as per Specifications | 1x1 | 50.00 | - | - | 50.00 | 29892.00 |
| | | | | | @ Rs: | 597.84/RMT | |
| | 7. Constructing brick masonry circular type manhole 1.22m internal dia at bottom 1.68m deep and 0.56m dia at top with table moulded | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | non. moulded bricks of class designation 50 in cement mortar 1:4 inside cement plastered 12mm thick with cement mortar -1:3 finished with a floating cost of neat cement. foundation concrete M10 Mix using 40mm and downsize granite metal and making necessory channel in cement concrete M 15 mix with 20mm and downsize granite metal finishing with a floating coat of neat cement with SFRC covers and frame (heavy duty. HD-20 Grade designation) 560 mm internal diametre confirming IS:12592. total weight cover and frame to be not less than 182 kgs. fixed in cement concrete 1:2:4 20mm and down size broken granite metal. providing and removing centering. Shuttering including cost of materials. labour charges. HOM of mechineries complet as per specifications. | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | (Excavation footrests Surface shall be paid |
| | 8. Refilling available ear exceeding 20 cms in d after watering with u cost of all labour co considered under i |

OOK

| th | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| | | | on 50 in cement mortar 1:4 |
| | | | ith cement mortar - 1:3 |
| | | | neat. foundation concrete M10 |
| | | | metal and making necessary |
| | | | y with 20mm and downsize |
| | | | g coat of neat cement with |
| | | | . HD-20 grade designation) |
| | | | is : 12592. total weight cover |
| | | | etgs. fixed in cement concrete |
| | | | granite metal, providing and |
| | | | luding cost of materials. |
| | | | complet as per specifications. |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426624

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | (Excavation footrests and 12 mm thick cement plaster on the exteral Surface shall be paid seperately).. | 9.00 | – | – | – | 9.00 | 249223.00 |
| | | | | | | @ Rs: 27691.44/each | |
| | 8. Refilling available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by remaing. after watering with lead upto 50m and lift upto 1.5c including cost of all labour complete as per Specifications allow 60% of rate considered under item. | | | | | | |
| | | 1x7 | 30.00 | 0.75 | 1.20 | 189.00 | |
| | | 1x1 | 50.00 | 0.75 | 1.20 | 45.00 | |
| | | | | | | 234.00 | 18851.00 |
| | | | | | | @ Rs: 80.56/cum | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9. | Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC cement @ 180 kgs with 40MM and down. Size Graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed. concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour Hom of machinery curing complete as per Specifications. | | | | | | |
| | Pre measurement recorded vide p.No. 426688 | | | | | | |
| | @ Same MB. | | | | | qty | 127.47 |
| | | | | | | limit qty | 127.38 |
| | | | | | | @Rs | 5159.02/cum |
| | | | | | | | 657156.00 |
| 10. | Reconstruction of Size Stone masonry with available Stone | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | in cm 1:6 as per qty |
| 11. | Providing and co in basement with in courses not de each course inclu Per Specifications. |

Dec

OK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| n cement concrete of | | |
| with 40MM and down | | |
| ggregates @ 0.85 cum | | |
| mixed. concrete laid | | |
| well compacted in | | |
| f all materials, labour | | |
| er Specifications. | | |
| No. 426688 | | |
| qty 127.47 | | |
| t qty 127.38 | 657156.00 | |
| @ Rs 5159.02/cum | | |
| sonry with available Stone | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 426625

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | in cm 1:6 as per direction of the Engineer in charge. | | | | | | |
| | qty vide Item No. 3 | | | | | 19.80 | |
| | Consider 60% available stones | | | | | 11.88 | 42400.00 |
| | @ Rs | | | | | 3569.02/cum | |
| 11. | Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6 edges of stones chisele dressed in courses not less than 15 cms highbond stones at two.m. apart in each course including cost of materials. labour curing complete as Per Specifications. | 1 x 2 ~~x 2~~ | 22.00 | 0.45 | 1.00 | 19.80 | |
| | Deduct available stones | | | | | 11.88 | |
| | | | | | | 7.92 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | 7.92 | 42018.00 |
| | | | | | @Rs: | 5305.30/ | cum |
| 12. | Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining including cost of materials, labour, curing complete as per Specifications. | | | | | | |
| | | 1x2 | 22.00 | - | 1.00 | 44.00 | 4571.00 |
| | | | | | @Rs: | 103.88/ | SqM |
| 13. | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 Kgs, with 20 mm size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding 15cms thick, well compacted in foundations | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | Plinth and cills i curing complete as |
| | vent posion |
| | For Kerb |
| 14. | Providing and design mix M 20 Size graded gran |

T BOOK

| sions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| | | 7.92 | 42018.00 |
| | | @Rs: 5305.30/cum | |
| se stone masonry with cement | | | |
| aking joints to depth of 20mm | | | |
| materials, labour, curing | | | |
| | | | |
| 0 - | 1.00 | 44.00 | 4571.00 |
| | | @Rs: 103.88/SqM | |
| sition plain cement concrete | | | |
| 240 kgs, with 20 mm and down | | | |
| se aggregates @ 0.878 cum and | | | |
| achine mixed concrete laid in | | | |
| rk, well compacted in foundations | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426626

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Plinth and cills including cost of all materials, labour Hom of machinery curing complete as per specifications. | | | | | | |
| | | 1x2 | 22.00 | 0.45 | 0.10 | 1.98 | |
| | vent posion | 1x1 | 22.00 | 0.60 | 0.10 | 1.32 | |
| | For Kerb | 2x2 | 30.00 | 0.10 | 0.10 | 1.20 | |
| | | 2x1 | 31.00 | 0.10 | 0.10 | 0.62 | |
| | | | | | | 5.12 | |
| | | | | limit qty | | 4.96 | 28606.00 |
| | | | | | | @Rs: 5767.46/cum | |
| 14. | Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum fine | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | aggregates @ 0.459 cum. with Superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008 machine mixed concrete laid in layers not exceeding 15 cms thick - vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase lintels retaining walls. return walls, walls (any thickness) including attached plasters, Columns. Piers abutments pillars, posts struts, buttresses string or facing course parapets coping bed blocks. anchor blocks plain window cills fillets etc. including cost of all materials labour Hire of machinery curing complete as per Specifications. | | | | | | |
| | FOR Bed | 2x2 | 30.00 | 0.90 | 0.125 | 13.50 | |
| | | 2x1 | 31.00 | 0.90 | 0.125 | 6.98 | |
| | | 2x1 | 30.00 | 0.90 | 0.125 | 6.75 | |

C&F.C. 15%

R.B. (22.2)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | For Side walls |
| 15. | Providing and layin Size Granite Coors |

C&F.C. 15%

R.B. (22.2)

OK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| stisised @ 3 lts confirming | | |
| machine mixed concrete | | |
| ick - vibrated for all works | | |
| level for roof slabs, | | |
| rn walls, walls (any | | |
| Columns. Piers abutments | | |
| & facing course parapets | | |
| Window cills fillets etc. | | |
| tom of machinery curing | | |
| 0 0.125 13.50 | | |
| 0 0.125 6.98 | | |
| 0 0.125 6.75 | | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 426627

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | For Side walls | 1x1 | 10.00 | 0.90 | 0.125 | 1.12 | |
| | | 1x2 | 9.00 | 0.90 | 0.125 | 2.03 | |
| | | 2x2 | 30.00 | 0.125 | 0.75 | 11.25 | |
| | | 2x1 | 31.00 | 0.125 | 0.75 | 5.81 | |
| | | 2x2 | 30.00 | 0.125 | 0.75 | 11.25 | |
| | | 2x1 | 10.00 | 0.125 | 0.75 | 1.88 | |
| | | 1x4 | 30.00 | 0.125 | 0.75 | 11.25 | |
| | | 1x4 | 9.00 | 0.125 | 0.75 | 3.37 | |
| | | | | | | 75.19 | 471885- |
| | | | | | limit qty | 74.06 | 471901.00 |
| | | | | | @Rs. | 6371.66/ cum | |
| 15. | Providing and laying cement concrete using 20mm and down Size granite coarse aggregates and fine aggregates of ready | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Mixed concrete (RMC) for Rcc. Work laid in 15 cms thick layers and well compacted vibrating curing finishing with necessary cement mortar, with all lead and lifts etc. complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-20 for raft foundation column footing main and Secondary beams. | | | | | | |
| | | 1X1 | 15.00 | $\frac{5.8+5.5}{2}$ | 0.15 | 12.71 | |
| | | 1X1 | 15.00 | $\frac{5.5+5.2}{2}$ | 0.15 | 12.04 | |
| | | 1X1 | 15.00 | $\frac{5.2+5.5}{2}$ | 0.15 | 12.03 | |
| | | 1X1 | 12.00 | $\frac{5.5+5.4}{2}$ | 0.15 | 9.81 | |
| | | 1X1 | 7.50 | 5.5 | 0.15 | 6.19 | |
| | | 1X1 | 15.00 | $\frac{5.5+5.4}{2}$ | 0.15 | 12.26 | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | 16. Vaccum de-watering compaction with sk of generator HOM blade and disc. et |

OOK

| | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| | | k laid in 15cms thick | |
| | | curing finishing with | |
| | | dead and lifts etc. | |
| | | and fabrication charges) | |
| | | for raft foundation column | |
| 5.5 | 0.15 | 12.71 | |
| 5.2 | 0.15 | 12.04 | |
| 5.5 | 0.15 | 12.03 | |
| 5.4 | 0.15 | 9.81 | |
| | 0.15 | 6.19 | |
| 5.4 | 0.15 | 12.26 | |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. B** 426628

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | 1x1 | 15.00 | $\frac{5.4+5.3}{2}$ | 0.15 | 12.04 | |
| | | 1x1 | 6.00 | $\frac{5.3+5.3}{2}$ | 0.15 | 4.77 | |
| | | | | | | 81.85 | |
| | | | | limit qty | | 81.70 | 509133.00 |
| | | | | @Rs. | | 6231.74/cum | |
| | 16. Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery, Screed Vibratory, powed floater blade and disc etc. with all dead and lift. | | | | | | |
| | | 1x1 | 15.00 | $\frac{5.8+5.5}{2}$ | - | 84.75 | |
| | | 1x1 | 15.00 | $\frac{5.5+5.2}{2}$ | - | 80.25 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 1x1 | 15.00 | $\frac{5.2+5.5}{2}$ | - | 80.25 | |
| | | 1x1 | 12.00 | $\frac{5.5+5.4}{2}$ | - | 65.40 | |
| | | 1x1 | 7.50 | $\frac{5.5}{2}$ | - | 41.25 | |
| | | 1x1 | 15.00 | $\frac{5.5+5.4}{2}$ | - | 81.75 | |
| | | 1x1 | 15.00 | $\frac{5.4+5.3}{2}$ | - | 80.25 | |
| | | 1x1 | 6.00 | $\frac{5.3+5.3}{2}$ | - | 31.80 | |
| | | | | | | 545.70 | |
| | | | | limit | qty | 544.65 | 51960.00 |
| | | | | | @Rs. | 95.40/ | Sqm |
| 17. | Providing TMT Steel reinforcement for R.C.C work including straightening cutting bending hooking placing in position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | as per design (da cost of materials. Specifications - For Pre measure @ Same M |
| 18. | Providing and r and removal of any thickness in string course c |

OK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| - | 80.25 | |
| - | 65.40 | |
| - | 41.25 | |
| - | 81.75 | |
| - | 80.25 | |
| - | 31.80 | |
| | 545.70 | |
| qty | 544.65 | 51960.00 |
| @Rs: | 95.40/Sqm | |

r R.C.C work including
cing in position lapping
ing with binding wire and
wherever necessary complete

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426629

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | as per design (laps and wastage shall not be measured and paid) cost of materials. labour HOM of machinery complete aspes Specifications. For TMT Bars. Fe500. Specification No. KBS.4:6:3. | | | | | | |
| | Pre measurement recorded vide P.No. 426688/1 | | | | | | |
| | @ Same MB | | | | | 5.46 | |
| | | | | | limit qty | 5.44 | 323206.00 |
| | | | | | @Rs: | 59413.00/Tonne | |
| 18. | Providing and removing centering shuttering and removal of form work for vertical surface such as walls at any thickness including attached pilasters buttresses plinth and string course cost of all materials labour complete as per Specifications | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 2x4 | 30.00 | 0.75 | - | 180.00 | |
| | | 1x3 | 31.00 | 0.75 | - | 69.75 | |
| | | 2x3 | 30.00 | 0.75 | - | 135.00 | |
| | | 1x3 | 10.00 | 0.75 | - | 22.50 | |
| | | 1x6 | 30.00 | 0.75 | - | 135.00 | |
| | | 1x6 | 9.00 | 0.75 | - | 40.50 | |
| | | | | | | 582.75 | 180990.00 |
| | | | | | @Rs: | 310.58/Sqm | |
| 19. | Providing and fixing pre cast solid concrete kerb Stones made out of CC 1:2:4 and finishing with CM 1:3 plastery and finishing cutting etc. complete. of size 450 x 200 x 400 mm. | | | | | | |
| | | 2x2 | 30.00 | - | - | 12.00 | |
| | | 1x2 | 31.00 | - | - | 62.00 | |
| | | | | | | 182.00 | |
| | | | | 182 | | 404.44 | |
| | | | | 0.45 | | | |
| | | | | | Say | 405.00 | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

| Date | Full description, etc, of w |
|---|---|
| 1 | 2 |
| 20 | Providing and asbestos cemen Surface after foreign matter labour comple |

OOK

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| - | 180.00 | |
| - | 69.75 | |
| - | 135.00 | |
| - | 22.50 | |
| - | 135.00 | |
| - | 40.50 | |
| | 582.75 | 180990.00 |
| | @Rs: 310.58 / Sqm | |
| | t Solid concrete kerb | |
| | inishing with CM 1:3 plastery | |
| | t size 450 x 200 x 400 mm. | |
| - | 12.00 | |
| - | 62.00 | |
| | 182.00 | |
| | 404.44 | |
| | Say 405.00 | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426630

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | | | | @Rs: | 405.00 | 156265.00 |
| | | | | | | 385.84 / each | |
| 20 | Providing and applying ready mix priming coat over concrete/masonry asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil. grease dirt and other foreign matter and sand papering including cost of materials. labour complete as per specifications. | | | | | | |
| | | 2x2 | 30.00 | - | 0.35 | 42.00 | |
| | | 1x2 | 31.00 | - | 0.35 | 21.70 | |
| | | | | | | 63.70 | 1756.00 |
| | | | | | @Rs: | 27.56 / Sqm | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 21. | Providing and applying spary paiting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt. dust and other foreign matter and Sand papering including cost of material labour complete as per specifications | 2 x 2 | 30.00 | – | 0.35 | 42.00 | |
| | | 1 x 2 | 31.00 | – | 0.35 | 21.70 | |
| | | | | | | 63.70 | 4456.00 |
| | | | | | | @Rs. 69.96/Sqm | |
| 22. | Providing and fixing 10 cm thick precast Rcc slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centering shuttering | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | reinforcement and layers not exceed materials labour Ambedkar layou C&F-8 Ambedkar layout 2nd main |

NT BOOK

| ensions | | Contents | Reference to last Measurement |
|---|---|---|---|
| Breadth 5 | Depth 6 | 7 | 8 |
| | | paiting in two coats | |
| ncrete / masonry / asbestos | | | |
| ces with flat wall paint of | | | |
| n shade after cleaning the | | | |
| d other foreign matter and | | | |
| of material labour complete | | | |
| | | | |
| -00 — | 0.35 | 42.00 | |
| 00 — | 0.35 | 21.70 | |
| | | 63.70 | 4456.00 |
| | | @Rs: 69.96/Sqm | |
| thick precast Rcc slab using | | | |
| M 20 mix with stone aggregate | | | |
| luding centering shuttering | | | |

M. A. R. 57 (Rule 116)
Measurement Book

No. B

12.50 [illegible] 31

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | reinforcement and barbending machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted cost of all materials labour curing complete as per Specifications. | | | | | | |
| | Ambedkar layout C&F-8 | 2x2 | 30.00 | 0.90 | - | 108.00 | |
| | | 1x2 | 31.00 | 0.90 | - | 55.80 | |
| | Ambedkar layout 2nd main | 1x1 | 12.10 | 0.90 | - | 10.89 | |
| | | 1x1 | 47.3 | 0.90 | - | 42.57 | |
| | | 1x1 | 34.8 | 0.90 | - | 31.32 | |
| | | 1x2 | 39.00 | 0.90 | - | 70.20 | |
| | | 1x2 | 25.00 | 0.90 | - | 45.00 | |
| | | | | | | 363.78 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | 363.78 | |
| 1 | 2 | 3 | 4 | 5 | 6 | | 8 |
| | Munivenkatappa layout | 1x1 | 63.00 | 0.90 | - | 56.70 | |
| | | 2x2 | 30.00 | 0.90 | - | 108.00 | |
| | | 1x2 | 40.00 | 0.90 | - | 72.00 | |
| | | 1x2 | 26.00 | 0.90 | - | 46.80 | |
| | | 1x2 | 20.00 | 0.90 | - | 36.00 | |
| | | | | | | 683.33 | |
| | | | | | limit qty | 680.94 | 1250206.00 |
| | | | | | @Rs. | 1836.00/Sqm | |
| | 23. Lead charges for conveying the excavated earth including loading loading and unloading upto 15 kms as per directions. | | | | | | |
| | qty vide item NO. 1+2+3+4 | | | | | | |
| | 581.98+659.48+19.80+136.16 = 1397.42 | | | | | | |

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | C & FC 28/1/2019 |
| | Certificate. |
| | 1. Work done is satis |
| | 2. There are no dep |
| | 3. The contractor h |

BOOK

| ns | | Contents | Reference to last Measurement |
|---|---|---|---|
| eadth 5 | Depth 6 | 363.78 | 8 |
| 0.90 | - | 56.70 | |
| 0.90 | - | 108.00 | |
| 0.90 | - | 72.00 | |
| 0.90 | - | 46.80 | |
| 0.90 | - | 36.00 | |
| | | 683.33 | |
| limit | qty | 680.94 | 1250206.00 |
| | @Rs: | 1836.00/ Sqm | |
| the excavated earth including | | | |
| to 15 kms as per directions. | | | |
| 3+4 | | | |
| 1.48+ | 19.80 | +136.16 = 1397.42 | |

M. A. R. 57 (Rule 116)
Measurement Book

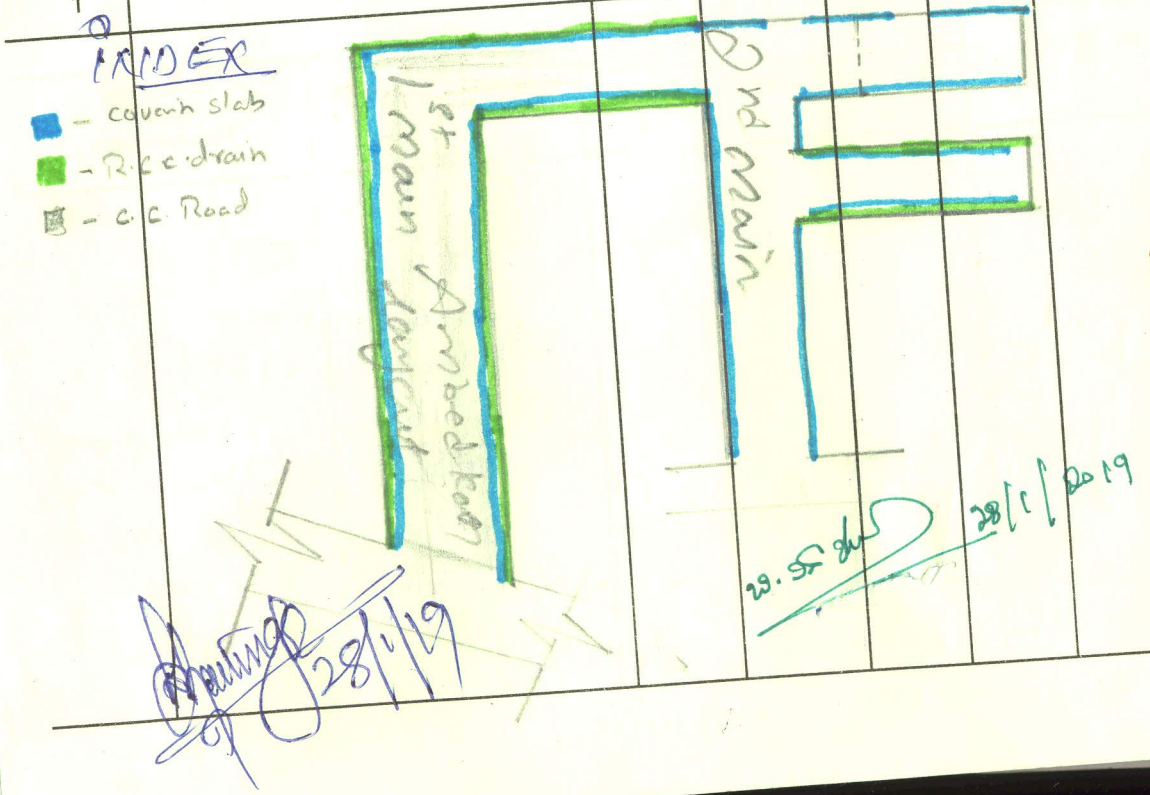
No. B 426632

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | | | | qty | 1397.42 | |
| | C & FC | | Deducted qty item 8 | | | 234.00 | |
| | 28/11/2019 | | | | | 1163.42 | |
| | | | limit qty | | | 1007.46 | 1,16,865.00 |
| | | | @Rs: | | | 116.00/Cum | 45,04,093.00 |
| | | | | | Total | | 45,04,109.00 |
| | KRIDL + GST 11% | | | | | | 4,95,450.00 |
| | Certificate. 28/11/19 | | | | Grand Total | | 49,99,560.00 |
| | 1. Work done is satisfactory. | | | | | | 49,99,543- |
| | 2. There are no departmental issues made to the contractor | | | | | | |
| | 3. The contractor has cleared all debrice from work spot | | | | | | |

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | INDEX<br>- cement slab<br>- R.C.C drain<br>- C.C. Road | | | | | | |
| |  | | | | | | |
| | | | | | | | |
| | | | | | | | |
| |

BOOK

| ns | | Contents | Reference to last Measurement |
|---|---|---|---|
| eadth 5 | Depth 6 | 7 | 8 |
| | | | |

M. A. R. 57 (I
Measureme

No. B 426633

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

| Date 1 | Full description, etc, of work 2 | Number 3 | Length 4 | epth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|
| | | | | Total Rs: | 4,99,543-00 | |
| | | | | IT- | 99991-00 | |
| | | | | CesS- | 49995-00 | |
| | | | | CBF- | 4999-00 | |
| | | | | LR- | 93991-00 | |
| | | | | FSD- | 249977-00 | |
| | | | | CgST- | 44639-00 | |
| | | | | SgST- | 44639-00 | |
| | | | | Adju. | 588231-00 | |
| | | | | Cheque | 4411,312-00 | |

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 49,99,543-00
ಗಳನ್ನು ಪಾಸ್ಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 588231-00
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 4411,312-00
ರೂ Rs Forty four lakh eleven thousand three hundred twelve only.
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ. ಬೆ. ಮ. ಪಾ. 12/02

ಸಾ ಮಾ ಅ
ಬ್ಯಾಟರಾಯನಪುರ ವಿ 15/2
ಬೃ. ಬ ಮ. ಪಾ